

PROFILED BLADES FOR TURBOCHARGER TURBINES, COMPRESSORS,
AND THE LIKE

ABSTRACT OF THE DISCLOSURE

5 A rotor and an apparatus including a rotor are provided. For example, the
apparatus can be a turbine or compressor having a housing in which the rotor
rotates while gas is circulated therethrough. The rotor has a plurality of radially
extending blades, and each blade defines a nonlinear profile along at least one
edge so that the strains induced in the blade during operation are reduced. A
10 method for manufacturing such a rotor is also provided.